

a commutator secured to said shaft, said commutator comprising a plurality of segments;
and

a plurality of equalizing connectors for permanently electrically connecting pairs of said segments that should have the same electric potential, so that each of pairs of said coil portions that should have the same electric potential has a substantially equal electrical potential.

2. (Amended) An armature for a dynamo-electric machine comprising:

a shaft;

a core, secured to said shaft, having a plurality of slots extending in an axial direction formed on an outer circumferential surface of said core,

a coil comprising a plurality of coil portions formed by simultaneously winding wires a plurality of turns around a pair of said slots separated by a predetermined number of said slots and offsetting each of said coil portions in the circumferential direction of said core, wherein a number of vacant slots between adjacent said coil portions is nonuniform;

a commutator secured to said shaft, said commutator comprising a plurality of segments;
and

a plurality of equalizing connectors for permanently electrically connecting pairs of said segments that should have the same electric potential, so that each of pairs of said coil portions that should have the same electric potential has a substantially equal electrical potential.

SUPPLEMENTAL PRELIMINARY AMENDMENT

Continuation of Appln. No. 09/266,606

Filed November 14, 2001

Appln. No. Not Yet Assigned

3. (Amended) An armature for a dynamo-electric machine comprising:

a shaft;

a core, secured to said shaft, having a plurality of slots extending in an axial direction formed on an outer circumferential surface of said core;

a coil comprising a plurality of coil portions formed by simultaneously winding wires a number of turns around a pair of said slots separated by a predetermined number of said slots and offsetting each of said coil portions in the circumferential direction of said core for a plurality of laps, wherein the number of turns of said wires in said coil portions in an initial lap is different from the number of turns of said wires in subsequent laps;

a commutator secured to said shaft, said commutator comprising a plurality of segments; and

a plurality of equalizing connectors for permanently electrically connecting pairs of said segments that should have the same electric potential, so that each of pairs of said coil portions that should have the same electric potential has a substantially equal electrical potential.